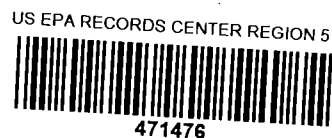


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2/7/96



**SCOPE OF WORK
REMEDIAL DESIGN/REMEDIAL ACTION OVERSIGHT
ALBION-SHERIDAN TOWNSHIP LANDFILL
ALBION, MICHIGAN
February 7. 1996**

PURPOSE

The purpose of this assignment is to provide the United States Environmental Protection Agency (U.S. EPA) with oversight assistance at the Albion-Sheridan Township Landfill site. This assistance shall include technical review of all plans and specifications, oversight of field activities and participation in technical meetings conducted for the Remedial Design (RD) and Remedial Action (RA). Initially this Scope of Work covers the project through the RD only, but U.S. EPA anticipates revising it to add hours for oversight of Remedial Action. As a cost-saving measure, split sampling is not planned at this Site during RD.

BACKGROUND

The Albion-Sheridan Township Landfill Superfund Site is located approximately one mile east of Albion, Michigan, between East Erie Road and State Road 99. The landfill is in Calhoun County, but is bordered on the west by the Jackson County line. The landfill consists of approximately 18 acres and is inactive. A combination of residential, agricultural, commercial, and industrial properties surrounds the Site. One residence is located immediately adjacent to the landfill to the south and additional residences are located southwest of the landfill along East Erie Road. An active railroad track borders East Erie Road to the south of the landfill, and beyond the railroad tracks lies the North Branch of the Kalamazoo River.

Approximately 10 private water supply wells are located within 2000 feet of the site, including two wells which serve the Amberton Village subdivision. Where well depth is known, residents near the site obtain groundwater from the Marshall Formation at depths between 70 and 350 feet.

From 1966 to 1981, the landfill was privately owned and operated. The landfill accepted municipal refuse and industrial wastes from households and industries in the City of Albion and nearby townships. In the early 1970s, the Michigan Department of Natural Resources (MDNR) approved the landfill to accept metal plating sludges. Other materials, such as paint wastes and thinners, oil and grease, and dust, sand, and dirt containing fly ash and casting sand were also disposed of at the site. The landfill ceased operation in 1981.

A Record of Decision (ROD) was issued by U.S. EPA on March 28, 1995. The major components of the selected remedy include: removal and off-site treatment and disposal of hazardous and liquid waste drums; consolidation of landfill wastes away from a

the Workplan
 In preparing ~~this plan~~, coordination, review and approval by U.S. EPA is required. Prior to the initiation of RA, this SOW will be revised to add request an RA Oversight Work Plan.

Task 2 - Project Management

The contractor shall perform general work assignment management including management and tracking of costs, preparation of Monthly Progress Reports, ~~attendance at project meetings~~, and preparation and submittal of invoices. It is anticipated that the period of performance for this entire RD/RA Oversight project is from February 1996 through December 1997. At this time, the contractor shall include project management only through the RD phase, which is anticipated to be completed by April 1997.

If the contractor finds that the RD differs significantly from the ROD, the construction or implementation is not consistent with the design, requirements delineated within the Unilateral Administrative Order are not being met, or that there are compliance issues with applicable or relevant and appropriate requirements (ARARs) at any point in the process, the contractor shall notify the WAM/RPM immediately to describe the issue.

The contractor shall prepare monthly progress reports and work assignment closeout tasks in accordance with the requirements under the contract.

Task 3 - Review of Technical Plans and Reports

The contractor shall review the RD plans and technical reports submitted by the PRPs for U.S. EPA approval. The contractor shall assign review staff with reasonable experience and training in the field of that portion of the document(s) that they are reviewing. To the maximum extent practicable, these staff shall review all subsequent design documents to promote consistency in the comments which the Agency will transmit to the PRPs. The focus of these reviews shall be on technical and engineering merit, and compliance with the ROD, UAO, SOW, and any plans or reports approved to date. Reviews shall not focus on correcting spelling and grammatical errors by the PRPs contractors. Written reports documenting the results of these reviews shall be provided to U.S. EPA. Formal reviews are anticipated for the following draft and revised documents:

1. RD Work Plan
2. Pre-Design Studies Report
3. Preliminary Design (30%)
4. Final Design

Except as directed by the RPM, review of revised documents shall focus on the adequacy with which comments on the previous draft were incorporated into the revision. All comments shall be

or on-site emergencies or any significant delays or problems arising during field activities shall be reported immediately to the RPM.

The contractor shall maintain a daily log of during field oversight which documents on-site activities. Both verbal and written reports on all field activities shall be submitted to the RPM. Verbal reports shall be on an as needed basis, while written reports shall be submitted within 10 days of completion of the activity. In addition, a succinct visual record (preferably slides) of all field activities shall be submitted to the RPM.

Task 6 - Field Oversight During Remedial Action

U.S. EPA intends to revise this SOW prior to the initiation of Remedial Action to specify desired RA oversight work. The Contractor shall allocated 0 hours to this task at this time.

Task 8 - Community Relations Technical Support

This task includes technical support provided by the contractor during public/availability meeting(s) under the associated community relations work assignment. The contractor shall provide community relations support to U.S. EPA throughout the RD in accordance with *Community Relations in Superfund-A Handbook*, June 1988. For budgeting purposes the contractor shall assume that they will provide technical support at 2 public/availability meetings, each of which will require an overnight stay.

Put under CR Work Assignment?

CONTRACTOR EXPERTISE REQUIRED

The Contractor shall provide, at a minimum, personnel experienced in the design and implementation of the following technologies:

- * Drum Removal
- * Solid Waste Landfill Caps
- * Landfill Gas Collection and Treatment
- * Hydrogeology
- * Monitoring Well Installation

A copy of the proposed project team's experience shall be submitted with the Work Plan.

TRAVEL REQUIREMENTS

The contractor shall plan travel for two meetings in the EPA Region 5 offices, and for field oversight personnel to be on-site during a small amount of design-related field work. U.S. EPA intends to revise these travel requirements prior to initiation of Remedial Action. At this time, the Contractor shall allocate

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